

What is claimed is:

1. A method of providing service announcement information, comprising:
transmitting a service on a first channel; and
transmitting pointer data on the first channel, wherein the pointer data identifies a second
5 channel on which a service announcement identifying the service transmitted on the first channel
is located.

2. The method of claim 1, wherein the first channel and the second channel are
frequencies.

3. The method of claim 2, wherein the pointer data includes the frequency of the second
channel.

4. The method of claim 2, wherein the service announcement further identifies the
frequency of the channel corresponding to the service.

5. The method of claim 1, wherein the transmitting steps are performed in accordance
with at least one of the following protocols: DVB, DAB, GSM, GPRS, UMTS, WLAN, and
Bluetooth.

6. A method of providing service announcement information, comprising:
transmitting a service on each of a plurality of channels; and
transmitting pointer data on each of the plurality of channels, wherein the pointer data
identifies a channel containing a plurality of service announcements identifying the services
20 transmitted on each of the plurality of channels.

7. The method of claim 6, wherein each of the plurality of channels includes the channel
containing the service announcements.

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8. The method of claim 6, wherein the channel identified by the pointer data is a frequency.

9. The method of claim 6, wherein the transmitting steps are performed in accordance with at least one of the following protocols: DVB, DAB, GSM, GPRS, UMTS, WLAN, and Bluetooth.

10. The method of claim 6, wherein the pointer data includes information sufficient to permit a mobile terminal to access the service announcements.

11. The method of claim 10, wherein the information includes at least one of the following: a frequency, a PID, a MAC, a bandwidth, an fft, a constellation, a code rate, a guard interval, a hierarchy and a hierarchical priority.

12. A method of providing service announcement information, comprising:
transmitting a service using a first protocol together with first pointer data on each of a first plurality of channels, the first pointer data identifying a first channel containing a plurality of service announcements identifying the services transmitted on each of the first plurality of channels; and

transmitting a service using a second protocol together with second pointer data on each of a second plurality of channels, the second pointer data identifying a second channel containing a plurality of service announcements identifying the services transmitted on each of the second plurality of channels.

13. The method of claim 12, wherein the first protocol and the second protocol are DVB and DAB respectively.

14. A method of providing a service announcement, comprising:

transmitting a service using a first protocol on each of a first plurality of channels;

transmitting pointer data on each of the first plurality of channels;
 transmitting a service using a second protocol on each of a second plurality of channels;
 and

transmitting pointer data on each of the second plurality of channels, wherein the pointer
 5 data identifies a channel containing a plurality of service announcements identifying the services
 transmitted on the first plurality of channels and on the second plurality of channels.

15. A method of accessing a communication channel from a plurality of communication
 channels within a network with a mobile terminal capable of receiving at least one signal from at
 least one of the communications channels within the network, the method comprising:

identifying at least one communication channel that is transmitting signals receivable by
 the mobile terminal;

accessing a first communication channel that is transmitting at least one signal receivable
 by the mobile terminal;

receiving first signals from the first communications channel;

searching in the first signals for redirection information;

selecting and accessing a second communication channel from the plurality of
 communication channels based on the redirection information, if the redirection information is
 received within a first period of time; and

selecting and accessing a third communication channel if the redirection information is
 20 not received within the first period of time.

✓ 16. The method of claim 15, wherein the at least one service announcement for at least
 one communication channel transmits over the second communication channel

17. The method of claim 16, wherein at least one service is transmits over the second communication channel further transmits at least one service.

18. The method of claim 15, wherein the mobile terminal selects the second communication channel if the redirection information is received within the first period of time, and the mobile terminal is in a selectable mode.

19. The method of claim 15, wherein the mobile terminal selects the second communication channel if the redirection information is received within the first period of time, wherein the first period of time directly follows initializing the mobile terminal.

20. The method of claim 15, wherein the first period of time is determined by a number of the plurality of communication channels.

21. The method of claim 15, wherein the third communication channel is selected randomly from the plurality of communication channels.

22. The method of claim 15, wherein the redirection information is transmitted at a first interval on at least one communication channel.

23. The method of claim 22, wherein the first interval on at least one communication channel does not equal a second interval on at least one other communication channel from the plurality of communication channels, wherein the redirection information is transmitted at the second interval.

24. The method of claim 15, wherein at least one communication channel is a specific frequency.

25. The method of claim 15, wherein the first communication channel is the second communication channel.

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26. The method of claim 15, wherein at least one service transmits over the first communication channel.

27. A method of accessing a communications frequency from a plurality of communications frequencies within a network with a mobile terminal capable of receiving at least one signal from at least one of the communications frequencies within the network, the method comprising:

identifying at least one communication frequency that is transmitting signals receivable by the mobile terminal;

accessing a first communication frequency that is transmitting at least one signal receivable by the mobile terminal;

receiving first signals from the first communications frequency;

searching in the first signals for redirection information;

selecting and accessing a second communication frequency from the plurality of communication channels based on redirection information, if the redirection information is received within a first period of time; and

selecting and accessing a third communication frequency if the redirection information is not received within the first period of time.

✓ 28. The method of claim 27, wherein the at least one service announcement for at least one communication frequency transmits over the second communication frequency

29. The method of claim 28, wherein at least one service is transmits over the second communication frequency further transmits at least one service.

30. The method of claim 27, wherein the mobile terminal selects the second communication frequency if the redirection information is received within the first period of time, and the mobile terminal is in a selectable mode.

31. The method of claim 27, wherein the mobile terminal selects the second communication frequency if the redirection information is received within the first period of time, wherein the first period of time directly follows initializing the mobile terminal.

32. The method of claim 27, wherein the first period of time is determined by a number of the plurality of communication channels.

33. The method of claim 27, wherein the third communication frequency is selected randomly from the plurality of communication frequencies.

34. The method of claim 27, wherein the redirection information is transmitted at a first interval on at least one communication frequency.

35. The method of claim 34, wherein the first interval on at least one communication frequency does not equal a second interval on at least one other communication frequency from the plurality of communication frequency, wherein the redirection information is transmitted at the second interval.

36. The method of claim 27, wherein the first communication frequency is the second communication frequency.

37. The method of claim 27, wherein at least one service transmits over the first communication channel.

38. A mobile terminal having at least two receivers enabling the mobile terminal to receive service announcement information of different protocols, comprising:

means for receiving a service on a first channel; and

means for receiving pointer data on the first channel, wherein the pointer data identifies a second channel on which a service announcement identifying the service received on the first channel is located.

39. The mobile terminal of claim 38, wherein the pointer data includes information that permits the mobile terminal to access the service announcement.

40. The mobile terminal of claim 39, wherein the information includes at least one of the following: a frequency, a PID, a MAC, a bandwidth, an fft, a constellation, a code rate, a guard interval, a hierarchy and a hierarchical priority.

41. The mobile terminal of claim 40, wherein the service announcement is linked to the frequency.

42. The mobile terminal of claim 40, wherein the information tunes the mobile terminal to the second channel.

43. An article of manufacture, comprising:
a computer readable medium including instructions for:
transmitting a service on a first channel; and
transmitting pointer data on the first channel, wherein the pointer data identifies a second channel on which a service announcement identifying the service transmitted on the first channel is located.

44. An article of manufacture, comprising:
a computer readable medium including instructions for:
transmitting a service on each of a plurality of channels; and

transmitting pointer data on each of the plurality of channels, wherein the pointer data identifies a channel containing a plurality of service announcements identifying the services transmitted on each of the plurality of channels.

45. An article of manufacture, comprising:

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a computer readable medium including instructions for:

transmitting a service using a first protocol together with first pointer data on each of a first plurality of channels, the first pointer data identifying a first channel containing a plurality of service announcements identifying the services transmitted on each of the first plurality of channels; and

transmitting a service using a second protocol together with second pointer data on each of a second plurality of channels, the second pointer data identifying a second channel containing a plurality of service announcements identifying the services transmitted on each of the second plurality of channels.

46. An article of manufacture, comprising:

a computer readable medium including instructions for:

transmitting a service using a first protocol on each of a first plurality of channels;

transmitting pointer data on each of the first plurality of channels;

transmitting a service using a second protocol on each of a second plurality of channels;

and

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transmitting pointer data on each of the second plurality of channels, wherein the pointer data identifies a channel containing a plurality of service announcements identifying the services transmitted on the first plurality of channels and on the second plurality of channels.

47. An article of manufacture, comprising:

a computer readable medium including instructions for:

identifying at least one communication channel that is transmitting signals receivable by the mobile terminal;

accessing a first communication channel that is transmitting at least one signal receivable

5 by the mobile terminal;

receiving first signals from the first communications channel;

searching in the first signals for redirection information;

selecting and accessing a second communication channel from the plurality of communication channels based on the redirection information, if the redirection information is received within a first period of time; and

selecting and accessing a third communication channel if the redirection information is not received within the first period of time.

48. An article of manufacture, comprising:

a computer readable medium including instructions for:

identifying at least one communication frequency that is transmitting signals receivable by the mobile terminal;

accessing a first communication frequency that is transmitting at least one signal receivable by the mobile terminal;

receiving first signals from the first communications frequency;

20 searching in the first signals for redirection information;

selecting and accessing a second communication frequency from the plurality of communication channels based on redirection information, if the redirection information is received within a first period of time; and

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selecting and accessing a third communication frequency if the redirection information is
not received within the first period of time.

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